## **CLAIMS**

- 1. An interference pigment having a mass tone, which comprises a flake-form substrate with successive coatings of:
  - (A) a colorless coating having a refractive index of n > 1.8 in a layer thickness of 20 250 nm,
  - (B) a colorless coating having a refractive index of  $n \le 1.8$  in a layer thickness of 10-100 nm,
  - (C) a colorless coating having a refractive index of n > 1.8 in a layer thickness of 20-250 nm,
- (D) an absorbent layer having a layer thickness of 1-100 nm, and, optionally,
  - (E) an outer protective layer.
- 2. An interference pigment according to claim 1, wherein the flake-form substrate is natural or synthetic mica, glass flake, Al<sub>2</sub>O<sub>3</sub> flake, SiO<sub>2</sub> flake or TiO<sub>2</sub> flake, or a mixture thereof.
- 3. An interference pigment according to claim 1, wherein coating (A) consists of TiO<sub>2</sub>, ZrO<sub>2</sub>, ZnO or BiOCl.
- 4. An interference pigment according to claim 2, wherein coating (A) consists of TiO<sub>2</sub>, ZrO<sub>2</sub>, ZnO or BiOCl.

- 5. An interference pigment according to claim 1, wherein coating (B) consists of SiO<sub>2</sub>, MgF<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, AlO(OH), MgSiO<sub>3</sub> or Al<sub>2</sub>O<sub>3</sub>, or mixtures thereof.
- 6. An interference pigment according to claim 2, wherein coating (B) consists of SiO<sub>2</sub>, MgF<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, AlO(OH), MgSiO<sub>3</sub> or Al<sub>2</sub>O<sub>3</sub>, or mixtures thereof.
- 7. An interference pigment according to claim 3, wherein coating (B) consists of SiO<sub>2</sub>, MgF<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, AlO(OH), MgSiO<sub>3</sub> or Al<sub>2</sub>O<sub>3</sub>, or mixtures thereof.
- 8. An interference pigment according to claim 1, wherein the absorbent layer (D) is selected from metal oxides, sulfides, tellurides, selenides, lanthanides, phosphates, actinides and mixtures thereof.
- 9. An interference pigment according to claim 1, wherein the absorbent layer (D) consists of Fe<sub>2</sub>O<sub>3</sub>, Fe<sub>3</sub>O<sub>4</sub>, Cr<sub>2</sub>O<sub>3</sub>, Ce<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>, a molybdenum oxide, CoO, Co<sub>3</sub>O<sub>4</sub>, VO<sub>2</sub>, V<sub>2</sub>O<sub>3</sub>, NiO, V<sub>2</sub>O<sub>5</sub>, CuO, Cu<sub>2</sub>O, Ag<sub>2</sub>O, CeO<sub>2</sub>, MnO<sub>2</sub>, Mn<sub>2</sub>O<sub>3</sub>, Mn<sub>2</sub>O<sub>5</sub>, MoS<sub>2</sub>, WS<sub>2</sub>, a titanium oxynitride, titanium nitride or any combination of the above.
- 10. An interference pigment according to claim 2, wherein the absorbent layer (D) consists of Fe<sub>2</sub>O<sub>3</sub>, Fe<sub>3</sub>O<sub>4</sub>, Cr<sub>2</sub>O<sub>3</sub>, Ce<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>, a molybdenum oxide, CoO, Co<sub>3</sub>O<sub>4</sub>, VO<sub>2</sub>, V<sub>2</sub>O<sub>3</sub>, NiO, V<sub>2</sub>O<sub>5</sub>, CuO, Cu<sub>2</sub>O, Ag<sub>2</sub>O, CeO<sub>2</sub>, MnO<sub>2</sub>, Mn<sub>2</sub>O<sub>3</sub>, Mn<sub>2</sub>O<sub>5</sub>, MoS<sub>2</sub>, WS<sub>2</sub>, a titanium oxynitride, titanium nitride or any combination of the above.

- 11. An interference pigment according to claim 3, wherein the absorbent layer (D) consists of Fe<sub>2</sub>O<sub>3</sub>, Fe<sub>3</sub>O<sub>4</sub>, Cr<sub>2</sub>O<sub>3</sub>, Ce<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>, a molybdenum oxide, CoO, Co<sub>3</sub>O<sub>4</sub>, VO<sub>2</sub>, V<sub>2</sub>O<sub>3</sub>, NiO, V<sub>2</sub>O<sub>5</sub>, CuO, Cu<sub>2</sub>O, Ag<sub>2</sub>O, CeO<sub>2</sub>, MnO<sub>2</sub>, Mn<sub>2</sub>O<sub>3</sub>, Mn<sub>2</sub>O<sub>5</sub>, MoS<sub>2</sub>, WS<sub>2</sub>, a titanium oxynitride, titanium nitride or any combination of the above.
- 12. An interference pigment according to claim 5, wherein the absorbent layer (D) consists of Fe<sub>2</sub>O<sub>3</sub>, Fe<sub>3</sub>O<sub>4</sub>, Cr<sub>2</sub>O<sub>3</sub>, Ce<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>, a molybdenum oxide, CoO, Co<sub>3</sub>O<sub>4</sub>, VO<sub>2</sub>, V<sub>2</sub>O<sub>3</sub>, NiO, V<sub>2</sub>O<sub>5</sub>, CuO, Cu<sub>2</sub>O, Ag<sub>2</sub>O, CeO<sub>2</sub>, MnO<sub>2</sub>, Mn<sub>2</sub>O<sub>3</sub>, Mn<sub>2</sub>O<sub>5</sub>, MoS<sub>2</sub>, WS<sub>2</sub>, a titanium oxynitride, titanium nitride or any combination of the above.
- 13. An interference pigment according to claim 1, wherein coating (A) and coating (C) have the same composition.
- 14. An interference pigment according to claim 3, wherein coating (A) and coating (C) have the same composition.
- 15. An interference pigment according to claim 13, wherein coating (A) and coating (C) consist of TiO<sub>2</sub>.
- 16. A process for producing an interference pigment according to claim 1, which comprises coating the flake-form substrate by a wet-chemical method of hydrolytic decomposition of metal salts in aqueous medium or by a CVD or PVD process.

- 17. A paint, coating, printing ink, plastic, ceramic, glass, cosmetic, or laser markable composition comprising a pigment of claim 1.
- 18. A pigment composition comprising one or more binders, optionally one or more additives, and one or more interference pigments according to claim 1.
  - 19. A dry preparation comprising an interference pigment according to claim 1.
  - 20. A dry preparation of claim 19, in the form of pellets, granules, chips or briquettes.